

APPENDIX A

Timber Program Activity Schedule

This appendix displays how the allowable sale quantity of chargeable sawtimber projected by the Forest Plan, that is likely to be provided during the period 1990 through 1999. The first portion of table 1-A shows proposed sales in Fiscal Years 1990 through 1992. These sales are relatively firm, based on current conditions and information available. The second part of Table A-1 list a pool of possible projects (Timber Sales) that could be implemented over the remainder of the period, FY 1993 - 1999. These sales can be considered probable sales in the initial stages of sale preparation. Conditions and new information at any time may eliminate, delay, or revise a scheduled sale. The timber sale schedule may be modified during the implementation of this Plan. The degree of modification will determine whether the Plan needs amendment in accordance with the required process. Additional program information is provided for the entire ten year period in Table A-1 of the Forest Plan.

The timber sale schedule displayed in Table A-1 will be modified if conditions change from those that existed when the Forest Plan was developed, and as new information becomes available during implementation of the Forest Plan. This sale schedule was developed from the Ten-Year Allowable Sale Quantity Goals by Working Group and Management Area, Table A-1.

The (small sale) and miscellaneous sales category displayed in Table A-1 reflects sales that, individually, do not exceed 2.0 million board feet. These sales are located in areas that are already roaded, and are used to achieve a variety of special purposes. Typical uses of small sales includes salvage of windthrown trees, removal of hazard trees from along trails, and treatment of small areas that would be impractical to include in a regular scheduled large sale. A variety of silvicultural methods may be used to achieve the objectives of individual small sales.

A schedule of sales for non-chargeable forest products (chips, post, poles, firewood, etc-TSPQ) is not shown. These products will be made available to the public, as provided for in the Forest-wide standards and underlined.

The following abbreviations are used in the third column of the table, Harvest Method:

- HCC Clearcut, even-aged regeneration method: group, patch, strip, or stand.
- HFR Final Removal Cut, even-aged regeneration method: from a prescribed seed tree or shelterwood cutting unit.
- HPR Partial Removal Cut. A partial overstory removal, usually occurring in even-aged stands exhibiting a layered condition,
- HSH Shelterwood Seed Cut, even-aged regeneration method.
- HSV Salvage (intermediate) Cut. Not to be used when blown down or other disaster results in reducing stocking on an area below minimum level.

Plan - Appendix A

HTH Commercial Thinning. This is an intermediate harvest chargeable to the Allowable Sale Quantity.

HSL Selection Cut. Harvest prescription requires cutting individual trees.

Table A-1
Timber Sale Activity Schedule

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
F I R S T T H R E E Y E A R S - F Y 1 9 9 0 - 1 9 9 2 P R O P O S E D S A L E S								
<u>FY 1990 - MT. BAKER</u>								
Lucky Son	T34N, R12E, 1, 2, 11, T34N, R13E, 5, 6	HCC	132	8.5	3.4	1.0	6	Eight D fir/cedar clearcut units located in the Cascade River drainage near Mineral Park. Seven units in RARE II H6031.
Old Grade	T39N, R7E, Sect 9, 10, 16, 21, 22, 27	HCC	194	9.1	6.1		2B	Eleven white wood/cedar clearcut units located south of Thompson Creek east of the town of Glacier. Skyline. Ten units in RARE II 6041.
Louise	T34N, R10E, Sect. 26, 35	HCC	58	2.6	0.4	0.5	17, 2B, 19	Three white wood/cedar clearcut units located on Suiattle Mtn. Grabinski and live skyline. All units in RARE II 16031.
Razor Fly Salvage	T39N, R9E	HSV	30	0.05			2B	Seven units located along the Mt. Baker Hwy and Razorbone Rd. Five units in RARE II 6041.
Milt-White Creek Cedar Salvage	T34N, R10E	HSV		0.25			17	One unit cedar salvage from previous logging area. On roads #16 and #1610. Harvest scattered over 400 acres.
Illabot Fly Cedar	T34N, R10E, T34N, R11E	HSV		1.2			17	Six unit salvage of windthrow on Road #16. All units in RARE II 6031. Harvest scattered over 2,000 acres.
Bacon Road Salvage	T36N, R11E	HSV	4	0.035			14	Two unit salvage of windthrow on upper Road #1060.
Cascade Road Salvage	T34N, R12E, R13E T35N, R12E, R13E	HCC	31	0.05			1D	Salvage of windthrow on the Cascade and Kindy Road.

Sale Name, FY. and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Finney Fly #3	T34N, R8E	HSV		0.175			17	One unit salvage of windthrow at the end of Road #1715. Harvest scattered over 225 acres.
Slate Mountain	T39N, R8E, Sect 1 T39N, R9E, Sect.6-8	HPR	156	5 1			2B	Five white wood partial cut and clearcut units located northwest of Slate Mtn. Helicopter yarding required. All five units in RARE II 6041.
Boyd Creek	T35N, R7E, Sect 27, 28 33-35, T34N, R7E, Sect.2-4	HCC	72	3 8			2B	Four white wood/D fir clear- cut units located on the forest boundary between Boyd and O'Toole Creeks. Helicopter yarding required. All four units are in Rare II 6048.
Loretta	T39N, R7E, Sect.5, 6, T40N, R7E, Sect.31, 32	HTH HPR	86	2.0	1.0		2A, 2B	Two D.fir/cedar partial cut units located north of the town of Glacier.
Slippery Rock	T37N, R8E, Sect.26, 27, 34, 35	HPR	189	6.6	1 3		2B	D.fir/cedar/white wood clearcut units located west of Baker Lake Hwy and Rocky Creek.
Hannegan	T39N, R9E, T40N, R8E, T34N, R7E	HPR HCC HPR	300	7.1	0.5	1.7	2A, 2B	White wood/D fir clearcut units located on the North Fork of the Nooksack River drainage. Six units require skyline. Five units require helicopter and one unit requires tractor yarding. Six units in RARE II 6041.
SUBTOTAL - MT. BAKER 90			1,252	46.56	12.7	3.2		
<u>FY 1990 - DARRINGTON</u>								
Hurry On Salvage SSTS	T31N, R11E, Sect 13	HSV	11	0 86			17	SOLD
Flat Salvage SSTS	T30N, R9E, Sect 31, 34	HCC	34	1 1			2B, 17	SOLD

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Whitehorse Flat	T32N, R8E, Sect.15	HCC	47	3.5	1.5		2B	One clearcut unit is planned on the lower slopes of Whitehorse Mtn. near French Creek.
Nowl Cedar Salvage	T30N, R8E, Sect.23, 26	HSV	23	0.037			23A	Salvage of down cedar on the lower slopes of Mt. Pilchuck
3 Saw Salvage	T32N, R9E, Sect 14	HSV		0.004			17	SOLD
Stalwart	T30N, R10E, Sect.22, 23, 26, 27	HCC	29	2.8	0.3	1.0	2A	Five small clearcut units are planned in the Ferry Creek drainage. Douglas fir is the major species.
Goldfly Cedar Salvage	T32N, R10E, Sect 32, 33	HSV	74	0.018			2B	Salvage of down cedar on Gold Hill.
Suiattle Two Buyback	T32N, R11E, Sect 8, 17	HCC	37	3.0		1.3	17	Two clearcut units near Conrad Creek in the Suiattle drainage. Douglas fir is the major species. Advisory Board modifications
Sauk Alder	Sauk River Drainage	HCC	135	2.733			6, 2A	Seventeen clearcut units of hardwoods plus one partial cut in the Sauk River drainage.
Remnant Cedar Salvage	T30N, R9E, Sect.30	HSV	41	0.03			17	Salvage of down cedar in the Schweitzer Creek drainage
Huckleberry Flat	T32N, R9E, Sect 3, 4, 9, 10	HCC	90	5.5	2.1	5.3	17	One clearcut unit is planned on Huckleberry Mtn. Douglas fir is the major species.
Fork Cedar Salvage	T31N, R7E, Sect 12, T31N, R8E, Sect 7	HSV	70	0.04			17	Salvage of standing and down cedar in the North Fork Canyon Creek drainage.
White Cedar Salvage	T31N, R11E, Sect.16, 17	HSV	48	0.03			17	Salvage of standing and down cedar in the Whitechuck River drainage
Mallardy Cedar Salvage	T30N, R9E, Sect.26, 33	HSV	40	0.06			2B	Salvage down cedar in the Mallardy Creek drainage.

Sale Name, FY. and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Gold Rush Salvage	T32N, R10E, Sect. 19, 21	HSV	7	0.16			17	Two partial cut units of windthrown timber on Gold Hill.
Jaybird Cedar Salvage	T33N, R9E, Sect. 21	HSV	15	0.081			17	Salvage of down cedar in the south branch of the North Fork Stillaguamish River
Clear Creek	T30N, R9E, Sect 1, 2, T31N, R9E, Sect 23, 26, 35	HCC	98	7 1		9 2	2B, 1D	Eight clearcut units are planned in the Clear Creek drainage
Fiat Cedar Salvage	T29N, R9E, Sect. 5, 6 T30N, R9E, Sect. 31, 32	HCC	34	0 038			2B, 17	Salvage of down cedar salvage in Schweitzer Creek drainage Harvest scattered over 340 ac.
South Green Cedar Salvage	T30N, R8E, Sect 11, 12	HSV	30	0 06			2B	Salvage of standing and down cedar on the south side of Green Mtn
New Crevice Cedar Salvage	T33N, R9E, Sect. 16, 17	HSV	66	0 048			17	Salvage of down cedar in the south branch of the North Fork Stillaguamish River.
Gold Coast Buyback	T32N, R10E, Sect 28, 29 32, 33	HCC	170	9.145		4.6	2B, 17	Six clearcut units on Gold Hill. Mixed species. Advisory Board modifications.
Median Buyback	T33N, R9E, Sect 4, 5, 8, 9	HCC	144	6.1		17 5	17	Five clearcut units are located in the North Fork Stillaguamish Hemlock and silver fir. Advisory Board modifications
Phantom #3	T31N, R10E, Sect. 3	HCC	29	1 56			2B	One clearcut unit on Gold Hill.
Small Salvage	T32N, R11E, Sect 16, 21 22, 23	HCC	17	0.55			17	Salvage of small diameter timber located between the Circle Creek and Straight Creek drainages.
Dead Duck	T31N, R11E, Sect. 15, 16	HCC	115	7 16	0 9	0 1	17	Four clearcut units located on lower slopes of Mt Pugh. Mixed species.

Sale Name, FY. and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Scraps	T30N, R9E, Sect 22, 27, 28, 32-34	HPR	142	6.225			2B, 17	Nine clearcut units are planned on Mallardy Ridge Cedar and hemlock. Advisory Board modifications.
Rouder Cedar Salvage	T33N, R8E, Sect.36	HSV	10	0 036			2B	Salvage of down western red cedar located in the Segelson Creek drainage.
SUBTOTAL - DARRINGTON 90			1.523	57 975	4.8	39 0		
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<u>FY 1990 - NORTH BEND</u>								
Puget Power Settlement 90	T22N, R11E, Sect 22		1	0 015			27SF	SOLD Permanent land clearing.
NFS Salvage	T25N, R10E, Sect.7	HSV	1	0 035			27GF	
Railroad Leave	T22N, R10E, Sect.32	HCC	83	3 9	0.8		20A	Two clearcut units located in the Cedar River Watershed
Claim	T21N, R10E, Sect 4	HCC	46	4 5			20A	One clearcut unit in the Cedar River Watershed.
Calligan	T25N, R9E, Sect 34	HCC	96	4 2	1.5	2.1	27GF	Five clearcut units adjacent to Calligan Lake.
Abiel	T21N, R11E, Sect 6, T22N, R10E, Sect.36	HCC	159	9 0	3.8		20A	Ten clearcut units in the North Fork Cedar River drainage.
Baby Bear	T21N, R10E, Sect 10	HCC	35	1 8			20A	One clearcut unit in the Cedar River Watershed
Price Buyout	T20N, R11E, Sect. 14	HCC	93	5 7			21A	Five clearcut units in the Upper Green River Watershed
Dandy Pass Log Decks	T21N, R11E, Sect. 22		3	0 15				Permanent land clearing
SUBTOTAL - NORTH BEND 90			517	29 3	6 1	2 1		
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<u>FY 1990 - SKYKOMISH</u>								
U S 2 Decks Salvage	T26N, R13E, Sect 30		2	0 091			27GF	SOLD U S. 2 Right-of-way
Money Creek Salvage Decks	T26N, R11E, Sect 30, 31	HSV	2	0 036			27GF & SF	SOLD

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
E-2 Beck Salvage (SSTS)	T27N, R14E, Sect. 17, 18	HSV	18	0 1			17	
N. Windy Salvage (SSTS)	T26N, R14E, Sect 18	HSV	17	0 25			17	
North Fork SSTS	T28N, R12E, Sect 8, 9, 18, 19	HSV	5	0.11			1D	
Sawyer	T25N, R12E	HCC	78	3.5	1 0	1 0	27GF & SF	
Wayout Salvage	T26N, R12E Sect 36	HSV	8	0.05			27GF & SF	
Eagle Down Salvage	T26N, R11E, Sect 10	HSV	5	0.1			19	
Deception	T26N, R12E, T26N, R13E	HCC	58	4.156	1 0	0 5	17, 27GF	
Powerline Salvage	T26N, R12E Sect 29, 30	HSV		0 06			27GF & SF	Scattered harvest over 189 acres
Sobieski	T25N, R11E, T25N, R12E	HCC	59	3.428	1 0	0.5	27GF & SF	
North Keybrook	T27N, R10E	HCC	156	5.1	2 5	1 3	2A, 17	
SUBTOTAL - SKYKOMISH	90		408	16 981	5 5	3 3		
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<u>FY 1990 - WHITE RIVER</u>								
Little Viola	T18N, R8E, Sect 25	HCC	85	4.5	0 4		17	Unit 5 in Roadless Area 6055.
NW Haller	T18N, R9E, Sect 2, 4, 9, 20, 30	HCC	167	8.4	1 0		2B, 14, 17	
Lower Huckleberry	T18N, R10E, Sect 7, 18	HCC	123	7.13	1 9		2B, 17	
Doe Creek	T18N, R10E, Sect 32, 33	HCC	90	3 6	2.5		17	Sale in Roadless Area 6058.
Side Burns	T17N, R7E, Sect 2, 12	HCC	146	5 67	3 0		17	Units 2 & 3 in Roadless Area 6055
7060 Salvage		HCC	4	0 16			17	
Evans Thin Resale		HTH	43	0 78			17	
SUBTOTAL - WHITE RIVER	90		658	30 24	8,8			
FOREST TOTAL FY 90			4,705	181 056	37 9	47 6		
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Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road Con-struction	Recon-struction	Manage- ment Area	Remarks
<u>FY 1991 - MT. BAKER</u>								
Black Powder	T33N, R8E, Sect 24, 25, 35, T33N, R9E, Sect.10, 19, 29	HCC	145	5.1		1 0	17	White wood/cedar clearcut units located between Alder Creek and North Fork of the Stillaguamish.
Clapper	T37N, R7E, Sect.22, 27	HCC	50	2 0		1.0	17, 14	White wood clearcut units located on the South Fork of the Nooksack River. Some units are found in former RARE II area, Mt. Baker West #6041
Little Bear	T38N, R9E, Sect 27, 28, 32-34	HCC	159	10.2	4.2	4 6	2A, 2B	Five clearcut units Highlead and skyline
Grouse Butte West	T39N, R6E, Sect.25, 36	HCC	51	1.8	1.3	0 5	23A	Two white wood clearcut units near Rocky Creek north of Clearwater Creek. Some units are found in former RARE II area, Mt. Baker West #6041.
Misc. Small Sales	Various		100	7 9				Various small sales consisting of roadside salvage and windthrow timber.
SUBTOTAL - MT BAKER 91			505	27.04	5.5	7.1		
<u>FY 1991 - BARRINGTON</u>								
North Canyon Buyback	T31N, R8E, Sect 7, 17, 18	HCC	45	2 9		2.0	17	Five clearcut units are planned in North Fork Canyon Creek. Hemlock and Pacific silver fir.
Tupso Pass	T31N, R8E, Sect. 9	HOR	46	2.7	0.3	3.0	1D	Harvest final removal unit near Tupso Pass. Some units are found in former RARE II area, Boulder River #6050
Boxer	T32N, R12E, Sect.23, 24, 25, 26	HCC	145	11 9	1.6	7 4	6, 17	Eight clearcut units are planned on Box Mtn. Mixed species. Some units are found in former RARE II area, Glacier Peak #G6031.

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MSBF)	Miles of Road Con-struction	Recon-struction	Manage- ment Area	Remarks
Black Gold Salvage	T33N, R10E, Sect 19	HSV	5	0.48	.		2B	Helicopter logging of salvage resulting from fire.
Betwaxt	T30N, R8E, Sect. 26, 35	HCC	80	3.5	1.0	0.3	2B, 17	Three shelterwood harvest and three final removal units are planned adjacent to Bear and Black Creeks.
Backside	T33N, R9E, Sect.19, 20, 29, 30	HCC	65	3 0	0 6	2.0	17	Two clearcut units located on south branch of the North Fork Stillaguamish River.
Beulah Johnson	T29N, R12E, Sect 8-11, 14-17	HCC	58	3 4		3 0	17	Seven clearcut units are planned in the North Fork Sauk River drainage. Some units are found in former RARE II area. Glacier Peak #J6031
Miscellaneous Sales	Various	HCC	60	2 4				Various small sales consisting of roadside salvage and wind thrown timber
SUBTOTAL - DARRINGTON 91			524	30 3	3.5	17.7		
<u>FY 1991 - NORTH BEND</u>								
Pioneer Creek	T20N, R12E, Sect. 26, T19N, R12E, Sect.2, 19	HCC HSL	96	4.4	2.6		21A	Five clearcut units located in the head of Tacoma and Pioneer Creek within the Green River Watershed.
Ballard	T22N, R10E, Sect 32	HCC	41	1.8			20A	Clearcut unit located in the Cedar River Watershed
Prospector	T25N, R10E, Sect.16, 17, 21,22	HCC	77	4 2	1 5		14	Five clearcut units located in Lennox Creek drainage
Jag Saw	T22N, R10E, Sect. 36	HCC	97	5 7	1 1		20A	Three clearcut units in Findley Creek within the Cedar River Watershed.
Miscellaneous Salvage District Wide		HCC	15	0.7				Various small sales District wide.

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road Con-struction Recon-struction		Manage- ment Area	Remarks
Border	T21N, R11E, Sect. 8, 16	HCC HSL	80	3 2	1.6		20A	Seven clearcut units located in the Cedar River Watershed.
SUBTOTAL - NORTH BEND 91			406	20 0	6 8			
<u>FY 1991 - SKYKOMISH</u>								
Harbeck	T26N, R12E, Sect. 16, 18-22	HCC	105	5.0	1.4	2.4	17	
Foss Reshape	T25N, R12E, Sect. 18, 19	HSV	15	0 6			27GP	
Miscellaneous Sales	District Wide	HCC	54	1 0	1 5	1 0	14	
Mountain Hemlock Study	T25N, R11E, R12E, & R27N, R11E	HCC HTH HSH	59	1 18		0 4	19	Some units are found in former RARE II area, Eagle Rock #6054. HCC-35 ac HTH-8 ac HSH-16 ac.
US2 Salvage Rehab	Private Cutting Boundary		25	1.0	2.3		27SP	
SUBTOTAL - SKYKOMISH 91			258	8.78	5.2	3.8		
<u>FY 1991 - WHITE RIVER</u>								
Pyramid #2	T19N, R11E, Sect. 20, 30	HCC, HSV	90	3.0	1.5		17	
West Milky	T18N, R8E, Sect. 1, 2, 11, 12, T18N, R8E	HCC	209	11.05	2.5		17	Some units are found in former RARE II area. Clearwater #6055
Lost Creek	T18N, R9E, Sect. 36, T18N, R10E, Sect 31	HCC	106	5.6	1.0		2B, 17	Sale in Roadless Area #6058.
Miscellaneous Sales	Various	HSV	20	0.32			17	
SUBTOTAL - WHITE RIVER 91			425	20.00	5.0			
FOREST TOTAL FY 91			2,118	106 12	26.0	28.6		

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
<u>FY 1992 - MT. BAKER</u>								
Loose Bark	T35N, R9E, Sect.23	HCC	54	2.3	1.0		2B	Four D.fir/cedar/white wood clearcut units located on the south side of Sauk Mtn. Some units found in former RARE II area, Mt. Baker Noisy Diobsud #6041.
SSF & Miscellaneous Small Sales	District Wide	HSV	39	1.2				
Corkindale/Olson	T35N, R10E, Sect.10, 15, 16, 22	HCC	339	16.0	4.2	2.3	2B	D.fir/cedar/whitewood clearcut unit between Rocky and Corkindale Creeks. Some units are found in former RARE II area, Mt. Baker Noisy-Diobsud #6041.
Copper Teyl	T35N, R11E, Sect.3,4, T36N, R11E, Sect.27, 28, 32, 33, 34	HCC	126	5.5	4.0	3.5	2B	White wood clearcut units located NE of Marblemount. Some units found in former RARE II area, Alma Copper #6044.
SUBTOTAL - MT. BAKER 92			558	25.0	9.2	5.8		
<u>FY 1992 - DARRINGTON</u>								
Semi-Circle	T32N, R11E, Sect.35	HCC	80	3.2		0.5	17	Four clearcut units next to Circle Creek. Some units found in former RARE II area, Glacier Peak #G6031.
Big Tenas	T33N, R11E, Sect.19, 20, 26, 27, 34, 35	HCC	155	8.3	2.5	7.5	17	Seven clearcut units are planned along Tenas Creek. Mixed species. Some units found in former RARE II area, Glacier Peak #J6031.
Doe Creek	T32N, R11E, Sect.10, 11	HCC	90	5.8	1.0	1.0	6, 17	Four clearcut units are planned in Doe Creek. Some units found in former RARE II area, Glacier Peak #J6031.
Higgins Thin	T32N, R8E, Sect.3, 4	HTH	160	2.5	1.0		2B	Commercial thinning of Douglas fir is planned on Higgins Mtn.

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
North Mountain	T33N, R9E, Sect.12, 13, 14	HCC	120	5.2	0.5	2.0	17	Two clearcut units are planned on North Mtn. Mixed species.
North Middle Bayback	T34N, R9E, Sect.29-32	HCC	80	6.0		5.0	17	Six clearcut units are planned along the middle branch of the Stillaguamish River. Mixed species.
Miscellaneous Sales	Various	HCC HSV	200	2.0				Misc. small sales. Cedar sales. HCC-100 ac., HSV- 100 ac.
SUBTOTAL - DARRINGTON 92			955	33.0	5.0	16.0		
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<u>FY 1992 - NORTH BEND</u>								
Hogback	T21N, R9E, Sect.9, 16	HCC	80	3.5	0.7		20A	Planning area is located near Lindsay Ridge in the Cedar River Watershed.
1812	T21N, R10E, Sect.18	HCC	57	2.7	1.4		20A	Three clearcut units in Seattle Creek within Cedar River Watershed.
Wolf Creek	T20N, R9E, Sect.36, T20N, R10E, Sect.30, 36	HCC	150	6.0	5.4		21A	Eight clearcut units in the Green River Watershed.
Crunch-Sheets	T20N, R12E, Sect.22, 26	HCC	76	3.8	0.7		21A	Seven clearcut units in Intake and Tacoma Creek in Green River Watershed.
Miscellaneous Sales	Various	HCC	88	4.0				
SUBTOTAL - NORTH BEND 92			451	20.0	7.0			
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<u>FY 1992 - SKYKOMISH</u>								
Proctor Creek	T27N, R9E, Sect.34	HCC	44	3.48	0.3	2.0	17	
North Face	T26N, R10E, T26N, R11E	HCC	140	4.5	4.4	4.4	27GP & SF Estimate.	
San Juan	T27N, R11E, T27N, R12E	HCC	80	1.8		1.0	17	Some units are found in former RARE II area, Eagle Rock #6054.

Sale Name, FY. and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
FY 1992 - MT. BAKER								
Loose Bark	T35N, R9E, Sect 23	HCC	54	2.3	1.0		2B	Four D fir/cedar/white wood clearcut units located on the south side of Sauk Mtn. Some units found in former RARE II area, Mt. Baker Nolsy Diobsud #6041
SSF & Miscellaneous Small Sales	District Wide	HSV	39	1.2				
Corkin/Bale/Olsen	T35N, R10E, Sect 10, 15	HCC	120	14.0	4.2	2.2	2B	D fir/cedar/white wood

Sale Name, FY. and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Grotto	T26N, R11E, Sect.17	HCC	75	3.0	2.3	6.0	27CF & SF	Some units are found in former RARE II area, Eagle Rock #6054
Miscellaneous Sales	District Wide	HCC	50	1.0				Estimate
SUBTOTAL - SKYKOMISH 92			389	13.8	7.0	13.4		

FY 1992 - WHITE RIVER								
High 20 #2	T17N, R7E, Sect.16, 17, 20, 21	HCC	110	4.0			23A, 17	
Miscellaneous Salvage	District Wide	HSV	40	0.9				
Chenuis	T18N, R7E, Sect 36, T18N, R8E, Sect 31-35	HCC	184	5.7			1D	Some units are found in former RARE II area, Clearwater #6055.
Upper Pigeon	T18N, R9E, Sect 31	HCC	169	9.45	2.7		17	Sale in Roadless Area #6055
SUBTOTAL - WHITE RIVER 92			503	20.05	2.7			
FOREST TOTAL FY 92			2,856	111.83	30.9	29.2		

FY 1993 - 1999 POOL OF POSSIBLE PROJECTS

FY 1993-1999 - MT. BAKER								
Basin/Sibley	T34N, R12E, Sect.2,3,10, 11	HCC HPR	373	8.79	1.4	4.1	2B, 1D	D.fir/cedar/white wood clearcut units located in the Upper Cascade River drainage Cascade planning area. Some units are found in former RARE II area, Glacier Peak #H6031 and Hidden Lake #6045.

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MSBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Kit-Kat	T39N, R7E, Sect 1,12, T39N, R8E, Sect 5-7	HPR	150	6 0	2.0	1 0	2A,2B,5B	White wood/D.fir clearcut units located in the North Fork Nooksack River drainage between Glacier and Wells Creek Westnook planning area. Some units found in former RARE II area. Mt Baker North #6041.
Boutface	T38N, R9E	HPR	75	3 0		2 5	2A,2B,17	White wood/cedar clearcut units located north of Baker Lake near Shannon and Swift Creeks. North Baker planning area. Some units found in former RARE II area. Mt Baker Noisy-Diobsud #6041.
Sky Pork	T36N, R11E, T37N, R11E	HCC	220	10 0	4.5	4 0	2B	White wood/D.fir clearcut units located in the lower reaches of Bacon Creek. Bacon Creek planning area.
Illabot Sweep	T34N, R10E, T34N, R11E	HPR	250	10.0	2.0	2.5	17	D fir clearcut units located in the Illabot Creek drainage. Illabot planning area. All units in RARE II #6031.
Anderson Creek	T37N, R9E	HPR	113	5 0	3 0	1 0	2B	D.fir/cedar/white wood clearcut units located east of Baker Lake. East Baker planning area. All units in RARE II #6041.
Quill	T34N, R7E, T35N, R7E	HPR	58	2 0	0 5	1.0	2B, 17	White wood clearcut units located in the headwaters of Pressentin Creek drainage South Skagit planning area All units in RARE II #6048
Thunder Bolt	T36N, R9E	HCC	100	4.0	2 0		2B	White wood clearcut units located east of Lake Shannon. Thunder Lake planning area. All units in RARE II #6041.

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (FMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Sand Top	T37N, R0E, T37N, R9E	HCC	100	4.0		1.0	2A	White wood/D.fir/cedar clearcut units located east of Baker Lake in the Little Sandy Creek drainage. Sandy Creek planning area.
Sister Seymour	T38N, R7E, Sect 30, 32, 33, 36	HCC	175	6.5	3.5	6.0	23A	White wood clearcut units located in the three areas in the Middle Fork of the Nooksack River drainage. Middle Fork planning area. All units in RARE II #6041.
FY 1993-1999 - DARRINGTON								
Eubie	T30N, R11E, Sect 15, 16, 21, 22	HCC	105	5.0	1.0		2A, 2B	A sale is planned in the Sauk River drainage. Some units found in former RARE II area, Glacier Peak #L6031.
Old Burn	T33N, R9E, Sect.2, 3, 10, 11	HCC	90	4.8	1.2	3.0	17	Four clearcut units are planned on Crevice Ridge. Douglas fir is the major species.
Straight Shot	T32N, R11E, Sect.28, 33	HCC	80	4.4			17	Five small clearcuts are planned in the Straight Creek drainage. Cedar and hemlock are the major species.
Whitehorse Flat Thin	T32N, R0E, Sect.14, 15	HTH	435	1.6	1.5		17, 2B	Commercial thinning of Douglas fir is planned for the lower slopes of Whitehorse Mtn.
Huckleberry	T33N, R11E, Sect 20, 28, 29, 30, 33	HCC	252	5.0	4.0		17	Ten clearcut units are planned on Huckleberry Mtn. Mixed species. Some units found in former RARE II area, Glacier Peak #J6031.
Longstop	T32N, R10E, Sect.3, 10, 14, 15, 23	HCC	124	5.0			17	Planning area located on Prairie Mtn. Some units found in former RARE II area, Prairie Mtn. #6060.

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Black Creek Buyback	T30N, R8E, Sect 23-26	HCC	100	4 0		1.0	17	Four clearcut units are planned between Hemple and Wisconsin Creek. Cedar and hemlock are the major species.
Dubor Thin	T31N, R10E, Sect.14, 15 23	HCC HTH	370	13.2			2A, 6	Commercial thinning of Douglas fir in Sauk River drainage. 120 ac.-HCC and 250 ac. HTH.
Goldy	T30N, R8E, Sect.12-14	HCC	50	2 5	0.8	2.0	17	Two clearcut units are planned between Wiley and Benson Creeks. Hemlock and cedar are the major species.
Bench Thin	T31N, R10E, Sect.13, 24, T31N, R11E, Sect.18-20	HTH	700	2.5			2B, 17	Commercial thinning of Douglas fir in the Whitechuck River drainage.
Tinhorn	T31N, R11E, Sect 20-22, 27, 28	HCC	93	2 5			17	Planning area in the Texas Creek drainage. Roadless Area #6031, Glacier Peak.
Lower Mid Buyback	T33N, R9E, Sect.7, 17, 18	HCC	115	4.0			17	Four clearcut units are planned on the upper slopes of the south branch of the North Fork of the Stillaguamish River. Hemlock and silver fir.
Falls Creek	T30N, R10E, Sect.1, 2	HCC	81	4 5		6.6	1D, 17	
Snowline	T32N, R10E, Sect.1, 2	HCC	120	6.0	6 6	1.4	17	
FY 1993-1999 - NORTH BEND								
Receding	T20N, R10E, Sect 12	HCC	70	3 2	0.5		21A	Planning area located near Bald Mtn. in the Green River Watershed.
Bear Ridge	T21N, R10E, Sect.2, T22N, R10E, Sect. 34	HCC	156	7.0	4.4		20A	Five clearcut units in the Cedar River Watershed
Green Canyon	T20N, R10E, Sect 10	HCC	65	2 8	0.5		21A	Planning area is located in Green Canyon Creek in the Green River Watershed.

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
King Sno Line	T26N, R9E, Sect. 2	HCC	35	1.5			17	
South Fork Thin	T22N, R9E, Sect. 1, T22N, R10E	HTH	300	3.0			27GF & SF	Commercial thinning planning area in the South Fork Snoqualmie River drainage.
Liner	T21N, R9E, Sect. 24	HCC	40	1.7			20A	
Burnt Bridge	T24N, R10E, Sect. 8-11, 14-16	HCC HTH	166	4.0	1.0	6.2	27GF & SF	Planning area is located within Quartz and Taylor Creek drainages of the Middle Fork Snoqualmie River. 66 ac.-HCC and 100 ac.-HTH.
Pratt	T23N, R10E T24N, R10E	HCC HTH	253	5.0	5.0		27GF & SF	Planning area is located within Pratt River drainage of the Middle Fork Snoqualmie River. 105 ac.-HCC and 148 ac.-HTH.
Upper Middle Fork	T23N, R11E, Sect. 1, 2, 10, 15, 16	HCC	200	5.0		10.0	27SF	Planning area is located in the upper Middle Fork Snoqualmie drainage.
Quartz Mtn	T24N, R10E, Sect. 18, 19	HSL	115	5.0	1.0		27GF	Planning area is located south of Quartz Mtn. in the Middle Fork Snoqualmie drainage.
Mc GLT Thin	T20N, R10E, Sect. 14	HTH	200	1.0	2.5		21A	
Sawmill Ridge	T19N, R11E, Sect. 4, 6, 8, 12	HCC	250	7.0	5.0		21A	Planning area is located near Sawmill Ridge within the Green River Watershed.
Mason Creek	T22N, R10E, Sect. 6, T23N, R10E, Sect. 31	HSL	50	1.0		2.0	27GF & SF	Planning area is located on the north side of I-90 in the South Fork Snoqualmie drainage.
Adios	T20N, R9E, Sect. 16, 18, 20, 30	HCC	270	12.0	4.0		21A	
Already-Bumped	T21N, R11E, Sect. 30	HCC	40	2.0			21A	
Dandy	T21N, R11E, Sect. 22	HCC	40	1.7	0.5			

Sale Name, FY, and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road Con- struction	Recon- struction	Manage- ment Area	Remarks
FY 1993-1999 - SKYKOMISH								
MSM	T26N, R10E, T26N, R11E	HCC	130	5.0		1.0	27GF & SF	
Tonga Ridge	T25N, R12E	HCC	70	3.0	1.0		17	
Rapid River (H)	T27N, R12E, T27N, R13E	HCC	152	5.0		4.0	17	
Beckler II	T26N, R12E, R13E, T27N, R11E	HCC	250	4.6	3.0		17	
Trout Creek So.	T27N, R10E	HCC	86	3.0	0.5	2.0		
Salmon Creek	T28N, R10E, R11E	HCC	90	3.4		2.0	17	
Kelly Creek	T26N, R12E	HCC	111	4.5	0.5		17	
Johnson Creek	T26N, T27N, R12E	HCC	83	3.4	1.0		17	
Top West Thin Too	T25N, R12E, Sect.17-20, 30	HTH	100	2.7			27GF & SF	
William	T29N, R9E, R10E, T30N, R9E	HCC	93	6.0	1.5	6.0	22B	
FY 1993-1999 - WHITE RIVER								
Bronco	T18N, R10E, Sect.20, 21, 28, 33	HCC	93	4.4			2B	Partial in Roadless Area #6058.
Skinner	T18N, R9E, Sect. 17, 21, 22, 27, 28	HCC	122	4.4			17	Partial in Roadless Area #6057.
Goodby George	T18N, R11E, Sect. 6 & 7	HCC HSH	139	5.03	1.0		17	HCC-125 ac., HSH-14 ac. Some units found in former RARE II area, Norse Peak #6034.
Boot	T18N, R7E, Sect.13, 14, 22, 23	HCC	120	3.0	1.5		17	Some units found in former RARE II area, Clearwater #6055.
Butterfat	T18N, R8E, Sect.2, 4, 10, 11	HCC	111	5.0			17	
Minnie	T18N, R10E, Sect.2, 4, 8, 10, 15, 17	HCC	169	7.16			2B	Partial in Roadless Area #6034.

Sale Name, FY. and Ranger District	Township, Range, & Section Location	Harvest Method	Area Acres	Volume (MMBF)	Miles of Road		Manage- ment Area	Remarks
					Con- struction	Recon- struction		
Silver Creek	T18N, R10E, Sect. 34, 35	HFR	124	1.5	1.1		2A	Sale in Roadless Area #6059.
Trump	T18N, R8E, Sect 12, 13, T18N, R9E, Sect. 4-8	HCC	150	5 0			17	
Jimmy Hank	T18N, R9E, Sect. 9, 10, 15, 16	HCC	119	3.59			17	
Lone Ranger	T18N, R10E, Sect 3, 5, 8, 10, 15, 17	HCC	120	4.0			2B	Partial in Roadless Area #6034
Sphinx	T18N, R10E, Sect 20, 21, 28, 33	HCC	119	4 6			17	
Down N' Out	T18N, R9E, Sect. 26, 27, 34, 35	HCC	97	2.65			2B	Partial in Roadless Area #6057.
Martian	T17N, R7E, Sect. 20, 28, 29	HCC	69	3.45			17	
Toimie	T17N, R7E, Sect 4, 8, 9, 16, 17	HCC	214	8 03			1D, 17	
Sunny	T18N, R9E, Sect. 13, 14, 23, 24	HCC	112	3 65			2B, 14 2A, 17	
Keelboat	T18N, R9E, Sect. 1, 2, 11 12, 14	HCC	53	2.63			2B	
Slippery Twin	T20N, R9E, Sect. 28, 30, 32, 34	HCC	241	7.95			17, 23A	
Sunfish	T18N, R9E, Sect. 25, 36	HCC	72	2 93			2B	

APPENDIX B
Road and Bridge Capital Investment Projects

The projects are shown as proposed for implementation in either the first or second half of the first decade and by Ranger District location. They are not listed in any priority order.

Program Period: First half of first decade.

<u>Project Name and Number*</u>	<u>Ranger District</u>	<u>Project Type</u>	<u>Length - Mi. Bridges - No.</u>
Boulder Creek #11	Mt. Baker	Bridge replacement	1 bridge
Glacier Creek #39	Mt. Baker	Road reconstruction	7.8 miles
Canyon Creek #31, etc	Mt. Baker	Road reconstruction for fish habitat and stabilization	18.0 miles
Finney Cr #17 - Phase I	Mt. Baker	Road reconstruction for fish habitat and stabilization	18.0 miles
Loomis Nooksack #12, etc	Mt. Baker	Road reconstruction for fish habitat and stabilization	3.0 miles
Finney Cr #17 - Phase II	Mt. Baker	Road reconstruction for fish habitat and stabilization	12.0 miles
Wallace/Rankin #38	Mt. Baker	Bridge construction	2 bridges
Shannon Crossing #11	Mt. Baker	Road reconstruction	0.1 mile
Diobsud Cr #1050	Mt. Baker	Road reconstruction	3.0 miles
East Bank #1106	Mt. Baker	Road reconstruction	1.0 mile
Jackman #14	Mt. Baker	Road reconstruction for fish habitat and stabilization	7.0 miles
Loomis-Nooksack #12	Mt. Baker	Road reconstruction	3.4 miles
Suiattle River #26	Darrington	Road reconstruction	6.1 miles
Sunrise Mine #4065	Darrington	Road reconstruction	0.2 miles
Whitechuck/Suiattle #23 & 26	Darrington	Road reconstruction	7.6 miles
Tupso Pass #41	Darrington	Road reconstruction	6.7 miles
Pilchuck Road #42	Darrington	Road reconstruction	6.0 miles

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Green Mtn #2680	Darrington	Road reconstruction	5.7 miles
Deer Cr #4052	Darrington	Road reconstruction	4.4 miles
Pilchuck #42	Darrington	Road reconstruction	3.5 miles
Squire Cr #2040	Darrington	Road reconstruction Bridge replacement	4.2 miles 1 bridge
MF Snoqualmie #56 & 5620 Phase I	North Bend	Road reconstruction	6.0 miles
Denny Creek #58	North Bend	Bridge replacement & road reconstruction	1 bridge 5.5 miles
Taylor/Quartz #5630 & 5640	North Bend	Road reconstruction	6.0 miles
Tacoma Creek #52	North Bend	Bridge replacement	1 bridge
Green River 2 #52	North Bend	Bridge replacement	1 bridge
MF Snoqualmie #5620 Phase II	North Bend	Road reconstruction	4.0 miles
Tinkham #55	North Bend	Road reconstruction Bridge construction	5.5 miles 1 bridge
1st Quartz Creek #5640	North Bend	Bridge replacement	1 bridge
2nd Quartz Creek #5640	North Bend	Bridge replacement	1 bridge
Beckler River #65	Skykomish	Road reconstruction 2 bridge replacements	5.5 miles 2 bridges
Suntop #73 & 7315	White River	Road reconstruction	7.2 miles
Corral Pass #41	White River	Road reconstruction	5.7 miles
Greenwater #70	White River	Road reconstruction 1 bridge replacement	0.5 miles 1 bridge

Program Period: Second half of first decade.

<u>Project Name and Number</u>	<u>District</u>	<u>Type</u>	<u>Length - Mi. Bridges - No.</u>
Deer Cr #1750, etc.	Mt. Baker	Road reconstruction for fish habitat and stabilization	7.0 miles
Anderson Creek #1107	Mt. Baker	Bridge replacement	1 bridge
Wells Creek #33	Mt. Baker	Road reconstruction Bridge replacement	0.6 mile 1 bridge

Finney Cr #17 - Phase III	Mt. Baker	Road reconstruction for fish habitat and stabilization	10.0 miles
Canyon Cr #31	Mt. Baker	Road reconstruction	2.3 miles
Pipeline #33	Mt. Baker	Bridge replacement	16 feet
Park Creek #1130	Mt. Baker	Bridge replacement	1 bridge
Little Deer Peak #1755	Mt. Baker	Bridge replacement	1 bridge
Lost Cr #49	Darrington	Bridge replacement	1 bridge
Rat Trap Pass Road	Darrington	Road reconstruction	0.2 miles
Moose Cr #2030	Darrington	Bridge replacement	1 bridge
Otter Creek #16	Darrington	Bridge replacement	1 bridge
Falls Creek #2080	Darrington	Bridge replacement	1 bridge
Black Oak #2440	Darrington	Bridge replacement	1 bridge
Lennox Creek #57	North Bend	Bridge replacement	1 bridge
Bear Creek #57	North Bend	Bridge replacement	1 bridge
5th Lennox Creek #57	North Bend	Bridge replacement	1 bridge
Wellington #6090050	Skykomish	Road reconstruction	0.3 miles
Lake Serene #6202110	Skykomish	Road reconstruction	2.0 miles
Army Camp #7305	White River	Bridge replacement	1 bridge
Greenwater #70	White River	Road reconstruction	7.0 miles

*The project number is the road number.

This listing is not complete. It contains only the major projects. Smaller projects such as trail head parking lot construction, road reconstruction related to fish habitat mitigation, bridge repair, slide stabilization, drainage improvements, and flood repair projects (large and small) will also be accomplished during the first decade.

Forest Highways

Forest Highways are routes under the jurisdiction of other agencies, State and local, that provide the link between the State primary highway system and the Forest Development Road System for the transport of Forest visitors and commodities.

Forest Highway projects compete on a State-wide basis and are determined by three parties: Washington State Department of Transportation (often representing the local agency), Federal Highway Administration, and the Forest Service. The list of MBS Forest Highways and proposed projects are as follows:

FH6	Mt. Baker Highway	1990	Double lane, pave 2.5 miles to Heather Meadows
FH7	Mtn. Loop Road	1990	Double lane, pave 2.8 miles between Darrington and South Side Sauk segment.
		1991	Repair 0.2 miles of "sink hole" near Verlot.
		1993-96	Double lane, pave 14 miles from end of South Side Sauk segment to Barlow Pass.
FH8	Stevens Pass Highway		No projects proposed.
SR 410	Mather Memorial Pkwy.	1993-96	Improve 10 miles to double lane parkway standards between west boundary of Mount Baker-Snoqualmie National Forest and north boundary of Mount Rainier National Park.
FH25	Baker River Highway		No projects proposed.
FH27	Cascade River Road	1990	Improve 1.6 miles of narrow sections to full double lane.
FH29	Middle Fork Snoqualmie		No Forest Highway projects proposed. See "Road and Bridge Capital Investment Projects" list for Forest Development Road project.
FH32	North Cascade Highway		No projects proposed.
FH33	Crystal Mountain Hwy		No projects proposed.
FH101	North Fork Skykomish Rd		No projects proposed.

APPENDIX C

Wildlife and Fish Habitat Project Schedules

The following wildlife and fish habitat improvement schedules describe the projects which achieve part of the outputs contained in Table A-1. Project priorities and schedules will be shifted as necessary during implementation.

Projects funded by KV are mitigative and are not included in these improvement schedules. KV projects will be scheduled in conjunction with site-specific timber sale planning. This may affect scheduling and priority of non-KV projects also.

The schedules are partial lists of planned activities based on existing improvement opportunity information, derived from inventories and identified management needs and opportunities. In some cases, the information needs (Chapter 2) and standards and guidelines (Chapter 4) call for new inventories or resource plans, which will result in new projects and priorities. This will necessitate updating the schedules periodically, as new inventories and analyses are completed. Some of these inventories are included in this schedule. It is expected that the detailed schedules will require updating annually as a result of the budget process and watershed, area, or project plans.

Table C-1 displays the wildlife habitat improvement schedule for this Plan. Emphasis is placed on surveys for Threatened, Endangered, and Sensitive species and habitat improvements for T & E species, raptors, game species, cavity users, and habitats with special qualities and of limited availability (e.g. wetlands). The units of measure used in Table C-1 are the actual number of acres or structures for the activity.

Table C-2 shows the fish habitat improvement schedule for this Plan. Toward the end of the decade, the number of projects will level off and the emphasis will be on maintenance of in-place improvements. Fish outputs increase and remain at this higher level, showing the long-term benefit of improvements. Also, during the first five years of the decade, on-going inventories may identify the need for additional projects and changed priorities.

The cost of implementing the wildlife and fish program in this Plan includes costs for: (1) coordination of wildlife and fish objectives, standards, and guidelines with other project implementation; (2) habitat improvement; (3) gathering and evaluation of new information; (4) monitoring; and (5) General Administration. If budgets are significantly different than those contained in the Plan, project accomplishment could increase above or decrease below Plan objectives. This would result in an increase or reduction in expected outputs.

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ACTIVITY/PROJECT	ACT CODE	COST/YR (0-5 YRS)	OUTPUTS (0-5 YRS)	COST/YR (6-10 YRS)	OUTPUTS (6-10 YRS)
Mount Baker Ranger District					
Spotted owl surveys	CT111	38.0	1 plan/yr	38.0	1 plan/yr
*Grizzly bear forage plntg	CT222	3.0	10 ac/yr	3.5	10 ac/yr
*Bald eagle nest plan	CT112	3.5	1 plan	0.0	-
Bald eagle perch improvemt	CT221	3.0	10 str/yr	3.0	10 str/yr
Bald eagle roost mgmt plan	CT112	3.0	1 plan/yr	3.5	1 plan/yr
Bald eagle roost surveys	CT111	10.0	1 plan/yr	10.5	1 plan/yr
Sensitive plant surveys	CT111	10.0	1 plan/yr	10.0	1 plan/yr
Marbled murrelet surveys	CT111	15.0	1 plan/yr	15.0	1 plan/yr
Townsend's bat surveys	CT111	10.0	1 plan/yr	10.0	1 plan/yr
*Bat roost structures	CT221	1.0	2 str/yr	1.0	2 str/yr
Pileated Wdpker snag mgmt	CW111	1.5	1 plan/yr	2.0	1 plan/yr
*Access mgmt structures	CW221	3.0	2 str/yr	3.5	2 str/yr
Dead and defective tree habitat management	CW221	30.0	300 str/yr	30.0	300 str/yr
*Deer/elk w. range forage	CW222	15.0	100 ac/yr	15.0	100 ac/yr
*Elk meadow maintenance (Middle Fork Nooksack)	CW23	0.5	4 ac/yr	0.0	0 ac/yr
Mtn goat range enhancement	CW222	2.0	20 ac/yr	2.5	20 ac/yr
Raptor nest surveys	CW111	3.0	1 plan/yr	3.0	1 plan/yr
Raptor nest platforms	CW221	1.8	2 str/yr	-	-
*Raptor perch structures	CT221	1.5	7 str/yr	2.0	7 str/yr
Misc nest structures	CW222	2.2	30 str/yr	2.5	30 str/yr
Cavity-nest animals invnty	CW111	2.0	1 plan/yr	2.0	1 plan/yr
Special habitats invntry	CW111	2.0	1 plan/yr	2.0	1 plan/yr
Wood/brush cover structure	CW221	1.0	10 str/yr	1.0	10 str/yr
Band-tailed pigeon habitat improvement	CW2	1.5	1 site/yr	2.0	1 site/yr
Pigeon habitat mtce	CW23	0.5	1 site/yr	0.5	1 site/yr
Wetland habitat impvts log structures	CW221	3.0	3 str/yr	3.0	3 str/yr
loon nest platforms	CW221	0.5	1 str/yr	0.5	1 str/yr
Wood duck nest boxes	CW221	1.0	10 str/yr	1.0	10 str/yr
Maintenance of impvts	CW23	3.5	20+ sites	4.0	20+ sites
Darrington Ranger District					
Spotted owl surveys	CT111	38.0	1 plan/yr	38.0	1 plan/yr
Bald eagle roost surveys	CT111	7.0	1 plan/yr	7.5	1 plan/yr
Bald eagle perch impvt	CT221	3.0	10+ str/yr	3.5	10+ str/yr
Sensitive plant surveys	CT111	3.0	1 plan/yr	3.5	1 plan/yr
*Peregrine falcon surveys	CT111	3.0	1 plan/yr	3.5	1 plan/yr
Thinning to improve stand conditions for spotted owls & other raptors	CT222	3.0	10 + ac/yr	3.0	10+ ac/yr
*Marbled murrelet surveys	CT111	15.0	1 plan/yr	15.5	1 plan/yr
Access mgmt structures	CT221	7.0	4 str/yr	7.5	4 str/yr
Access mgmt str mtce	CT23	2.0	2 str/yr	2.5	2 str/yr
Dead and defective tree habitat improvement	CW221	4.0	20+ str/yr	4.5	20+ str/yr
Access mgmt structures	CW221	3.0	2 str/yr	3.5	2 str/yr
Access mgmt str mtce	CW23	1.5	1 str/yr	2.0	1 str/yr

ACTIVITY/PROJECT	ACT CODE	COST/YR	OUTPUTS	COST/YR	OUTPUTS
		(0-5 YRS)	(0-5 YRS)	(6-10 YRS)	(6-10 YRS)
Deer/elk/mtn goat habitat					
planting/thinning	CW222	3.0	10+ ac/yr	3.5	10+ ac/yr
*Mtn goat mineral blocks	CW221	10.0	10+ str/yr	10.5	10+ str/yr
Mtn goat range enhancement	CW222	3.0	10+ ac/yr	3.0	10+ ac/yr
Pileated wdpkr snag mgmt	CW111	1.5	1 plan/yr	2.0	1 plan/yr
*Special habitat surveys	CW111	2.0	1 plan/yr	2.0	1 plan/yr
*Raptor nest surveys	CW111	3.0	1 plan/yr	3.5	1 plan/yr
Maintenance of impvts	CW23	5.0	20+ sites/yr	5.5	20+ site/yr
Info & ed sign preparation	CW2	1.5	2+ signs/yr	2.0	2+ signs/yr
*Wood/brush cover str	CW221	2.0	5+ str/yr	4.0	10+ str/yr
Black bear forage planting	CW222	3.0	10+ ac/yr	3.5	10+ ac/yr
*Bat roost boxes	CW221	1.5	5+ str/yr	2.0	5+ str/yr
*Pothole development	CW2	2.0	2 sites/yr	2.5	2 site/yr
*Raptor nest structures	CW221	2.0	2+ str/yr	2.0	2+ str/yr
*Raptor perch development	CW221	3.0	2+ sites/yr	3.5	2+ sites/yr
Band-tailed pigeon habitat improvement	CW2	1.5	1 site/yr	2.0	1 site/yr
*Nest boxes for wood ducks	CW221	2.0	5+ str/yr	2.5	5+ str/yr
Skykomish Ranger District					
Spotted owl surveys	CT111	19.0	1 plan/yr	19.0	1 plan/yr
Bald eagle perch impvt	CT221	1.8	12 str/yr	2.0	12 str/yr
Bald eagle roost surveys	CT111	5.0	1 plan/yr	5.5	1 plan/yr
Sensitive plant surveys	CT111	5.4	1 plan/yr	6.0	1 plan/yr
Dead & defective tree habitat mgmt	CW221	13.6	50+ str/yr	14.5	60+ str/yr
Deer/elk forage seed & ft	CW222	24.9	64 ac/yr	22.0	50+ ac/yr
Deer/elk browse planting	CW222	18.7	22 ac/yr	16.0	15+ ac/yr
Deer/elk browse pruning	CW222	0.4	2 ac/yr	1.5	6 ac/yr
*Deer/elk forage thinning	CW222	6.5	13 ac/yr	8.0	17 ac/yr
Mtn goat range enhancement	CW222	3.0	3 ac/yr	3.5	3 ac/yr
Access mgmt	CW221	0.5	2 str/yr	0.5	2 str/yr
Access mgmt str mtce	CW23	0.2	1 str/yr	0.2	1 str/yr
Pileated wdpkr snag mgmt	CW222	1.5	1 plan/yr	2.0	1 plan/yr
*Info & ed signing	CW2	3.2	5 signs/yr	4.5	8 signs/yr
Maintenance of impvts	CW23	4.0	20+ str/yr	4.5	20+ str/yr
Wood/brush cover str	CW221	1.4	8 str/yr	2.5	15 str/yr
*Pothole development	CW2	1.2	1 site/yr	2.0	1 site/yr
Bat roost boxes	CW221	0.8	8 boxes/yr	1.0	10 boxes/yr
*Osprey nest structure	CW221	0.9	2 str/yr	0.9	2 str/yr
Raptor perch	CW221	1.0	2 str/yr	2.5	4 str/yr
Nest boxes	CW221	1.2	8 boxes/yr	1.5	10 boxes/yr
North Bend Ranger District					
Spotted owl srvy/banding	CT111	33.0	1 plan/yr	19.0	1 plan/yr
Spotted owl nest cavities	CT221	3.5	5 sites/yr	5.0	10 sites/yr
Spotted owl habitat impvt by silvicultural means	CT222	5.7	3 sites/yr	5.9	3 sites/yr

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Access mgmt structure	CT221	5.0	3 str/yr	5.5	3 str/yr
Access mgmt str mite	CW23	3.0	3 str/yr	3.5	5 str/yr

ACTIVITY/PROJECT	ACT CODE	COST/YR		COST/YR	
		(0-5 YRS)	(0-5 YRS)	(6-10 YRS)	(6-10 YRS)
Dead and defective tree habitat improvement	CW221	3.2	20+ str/yr	3.3	20+ str/yr
Deer/elk/mtn goat forage seeding and planting	CW222	5.2	40+ ac/yr	5.4	40+ ac/yr
Deer/elk forage thinning (Middle Fork Taylor)	CW222	3.0	20 ac/yr	3.5	20 ac/yr
Mtn goat inventory	CW111	4.0	1 plan/yr	5.0	1 plan/yr
Mtn goat range enhancement	CW222	5.0	20 ac/yr	5.5	20 ac/yr
Pileated wdpkr snag mgmt	CW111	1.5	1 plan/yr	2.0	1 plan/yr
Aerial video inventory of habitat areas & projects	CW111	5.0	1 plan/yr	3.0	1 plan/yr
Pothole development	CW2	6.0	5 sites/yr	6.5	5 sites/yr
Nest/roost boxes	CW221	2.9	20+ str/yr	3.0	20+ str/yr
Nest/roost box maintenance	CW23	2.2	50+ str/yr	2.3	50+ str/yr
Wood/brush cover structure	CW221	2.5	10 str/yr	3.0	10 str/yr
Nest platforms	CW221	2.5	5 str/yr	3.0	5 str/yr
Harpetofauna inventory	CW111	5.0	1 plan/yr	5.0	1 plan/yr
White River Ranger District					
Spotted owl surveys	CT111	19.0	1 plan/yr	19.0	1 plan/year
Bald eagle surveys	CT111	2.1	1 plan/yr	2.5	1 plan/year
Sensitive plant surveys	CT111	3.0	1 plan/yr	3.5	1 plan/year
Government Meadows burn	CW222	6.0	50 ac/yr	6.5	50 ac/yr
Deer/elk range inventory	CW111	2.0	1 plan/yr	2.5	1 plan/year
Deer/elk w.range impvt	CW222	7.0	30 ac/yr	7.5	30 ac/yr
Cavity-nest animals invnty	CW111	2.0	1 plan/yr	2.5	1 plan/year
Dead and defective tree habitat improvement	CW221	3.0	20 str/yr	3.5	20 str/year
Pileated wdpkr snag mgmt	CW111	1.5	1 plan/yr	2.0	1 plan/year
Special habitats invnty	CW111	2.0	1 plan/yr	2.5	1 plan/year
Bat/squirrels roost boxes	CW221	4.0	30 str/yr	4.5	30 str/yr
Info & ed sign preparation	CW2	3.0	10 signs/yr	3.5	10 signs/yr
Waterfowl habitat improvemt	CW222	3.0	1 ac/yr	3.5	1 ac/yr
Upland game bird inventory	CW111	2.0	1 plan/yr	2.5	1 plan/year
Maintenance of impvts	CW23	3.3	20+ sites	3.8	20+ sites

Forest-wide

Prepare management guides for Sensitive species	CT112	4.0	1 plan/yr	5.0	1 plan/yr
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*NOTE: Projects are listed by Ranger District with activities specified in the preferred alternative of the Forest Plan listed first for each District. Note also that * means potential Challenge Cost Share project.

Table C-2 - Fish Habitat Improvement Schedule

Fish Priority	PROJECT NAME Activity	Target Species	District	Unit of Measure	Amount Planned by Fiscal Year					
					1990	1991	1992	1993	1994	1995
1	DEER CREEK Streambank and channel stabilization	Anadromous Fish - coho salmon, steelhead	Mt. Baker	structures acres	60 4	60 4	60 4	60 4	60 4	10 4
2	SAUK RIVER, SUIATTLE RIVER AND TRIBUTARIES Rearing area development	Anadromous Fish - coho salmon, steelhead	Darrington	structures acres	50 1	40 2	50 1	50 2	50 1	50 2
3	GREENWATER RIVER & HUCKLEBERRY CREEK Habitat restoration	Coho salmon, spring chinook	White River	structures acres	64 3	46 3	78 10	79 10	75 10	64 12
4	DISTRICT WIDE Resident fish habitat improvement	Rainbow trout, cutthroat trout	North Bend	structures acres	6 0	10 1	20 2	25 2	30 1	30 1
5	DISTRICT WIDE Resident fish habitat improvement	Bull trout and others	Skykomish	structures acres	10 1	5 2	10 1	5 2	10 1	5 5
6	NORTH FORK NOOKSACK Rehabilitation	Spring chinook	Mt. Baker	structures acres	20 1	20 1	20 1	30 --	30 --	20 --
7	DISTRICT WIDE Resident fish habitat improvement	Cutthroat trout	White River	structures acres	20 1	50 3	20 1	20 1	20 1	20 1
8	DISTRICT WIDE Resident fish habitat improvement	Bull trout, cutthroat trout	Mt. Baker	structures acres	50 5	50 5	50 5	50 5	50 5	50 5
9	FINNEY CREEK Fish rehabilitation	Rainbow trout, cutthroat trout	Mt. Baker	structures acres	0 0	30 4	30 4	30 4	30 4	30 4
10	CANYON CREEK Fish rehabilitation	Spring chinook	Mt. Baker	structures acres	70 4	70 4	70 4	70 4	70 4	30 0
11	SOUTH FORK NOOKSACK RIVER Spawning and rearing area improvement	Anadromous Fish - spring chinook	Mt. Baker	structures acres	100 4	100 4	100 4	100 4	100 4	100 0
12	BAKER AND SKAGIT RIVER TRIBUTARIES Rearing area improvement	Anadromous Fish - coho salmon, steelhead	Mt. Baker	structures acres	30	20	50 10	50 --	50 --	50 --
13	SOUTH FORK STILLAGUAMISH RIVER AND TRIBUTARIES I Rearing area and channel improvement	Anadromous Fish - coho, chinook salmon	Darrington	structures acres	10 1	-- 1	10 --	10 1	10 1	10 1
14	SOUTH FORK SKYKOMISH RIVER AND TRIBUTARIES Rearing area improvement	Anadromous Fish - coho salmon	Skykomish	structures acres	15	15	20	20	20	20 2

APPENDIX D Recreation Implementation Schedules

The following section presents the project schedules for viewsheds, cultural resources, and developed recreation construction and reconstruction. Costs shown in these schedules are planned costs for the first three years and estimated costs in later years. Outyear projects may shift with changing priorities and budgets. If budgets should differ significantly from those projected in the plan, some of these projects will not be accomplished, which will result in a reduction of expected outputs. Budgets could also be greater, which would result in a speed-up of the schedule.

It is expected that the schedules will require updating annually as a result of the budget process and new action plans. Cost estimates contained in the schedules are rough approximations.

The developed recreation construction/reconstruction schedule (Table D-3) shows each project broken down into three phases: planning, design, and construction. These three phases typically occur in three consecutive years. Funds for each phase may come out of several budgets: recreation, Forest road program, or trails.

The following schedules are included:

- Viewshed Plans Table D-1
- Cultural Resources Table D-2
- Developed Recreation CIP Table D-3
- Trailhead Const/Reconst. Table D-4

Table D-1

Viewshed Plans

<u>Travel Route</u>	<u>District</u>	<u>Cost</u>	<u>Year</u>
Mt. Baker Highway	Mt. Baker	\$ 3,000	1990
Mt. Loop Highway	Darrington	\$ 3,000	1990
Mt. Baker Highway	Mt. Baker	\$ 15,000	1991
Mt. Loop Highway	Darrington	\$ 15,000	1991
Skagit River/North Cascade Highway	Mt. Baker	\$ 15,000	1992
Baker Lake Highway	Mt. Baker	\$ 15,000	1992
Mather Memorial Parkway	White River	\$ 15,000	1993
Crystal Mountain Highway	White River	\$ 15,000	1993
Middle Fork Snoqualmie	North Bend	\$ 15,000	1994
Miller River	Skykomish	\$ 15,000	1994
Beckler River	Skykomish	\$ 15,000	1995

Cultural Resources Implementation Schedule

Activity	Unit of Measure	Year									
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Inventory											
NHPA Sec 106 surveys 1/	M acres	Variable, expected to average 12 000 ac/yr. Dependent upon timber, recreation, etc implementation schedules. Surveys are to be completed at time of project environmental assessment approval									
		\$90M	\$75M	\$75M	\$75M	\$75M	\$75M	\$75M	\$75M	\$75M	\$75M
NHPA Sec 110 survey 2/	Project	Alpine Lakes Wilderness Naches Trail	Mt Baker Wilderness/Twin Lakes	Jackson Wilderness/Monte Cristo	Glacier Wilderness/Sauk River	Alpine Lakes/Snoqualmie Mining District	Boulder Wilderness/Silverton	Northern Pacific RR Corridor	Clearwater Wilderness/Carbon River	Norse Peak Wilderness/White River	Mt Baker Wilderness/Mt Baker
		\$8M	\$20M	\$20M	\$20M	\$15M	\$20M	\$20M	\$20M	\$20M	\$15M
Site Recording 3/	Sites	0	70	70	70	70	70	70	70	70	70
			\$15M	\$15M	\$15M	\$15M	\$15M	\$15M	\$15M	\$15M	\$15M
Evaluations/ Nominations 4/	Properties	Kennedy G S Naches Trail	Darrington Barn, Glacier R S	Naches Lithic Scatter	Snow Lake Lithic Scatter	Twin Lakes area sites	Sauk R Logging RR System	Snoqualmie Mining District	Northern Pacific RR Corridor	Everett-Monte Cristo RR	Monte Cristo & Silverton Sites
		\$7M	\$6M	\$25M	\$20M	\$12M	\$12M	\$12M	\$12M	\$12M	\$12M
Management Plans	Plans	Stevens Pass Historic District	Forest Inventory Plan	Naches Trail Veriot R S	Lookouts Recreation Shelters	Snoqualmie Pass Wagon Rd.	Wilderness Cultural Resources	RR Logging Systems	Northern Pacific RR Corridor	Mining Districts	Lithic Scatters
		\$10M	\$10M	\$7M	\$8M	\$4M	\$12M	\$12M	\$12M	\$12M	\$12M

Cultural Resources Implementation Schedule (Cont.)

Activity	Unit of Measure	Year									
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Data Recovery <u>5/</u> & Documenta- tion	Sites	Sauk R Lumber Co Bedal Camp, Boulder Cr Br . Bldg 2033	1 data recovery, 2 docu- mentations	Same	Same	Same	Same	Same	Same	Same	Same
		\$25M	\$30M	\$30M	\$30M	\$30M	\$30M	\$30M	\$30M	\$30M	\$30M
AIRFA Inventory Updates <u>6/</u>	Reports		1 \$15M					1 \$15M			
Overview Updates	Reports			1 \$15M					1 \$15M		

1/ Surveys supporting timber sales recreation construction and reconstruction, land exchanges, facility construction/reconstruction, and similar development projects, for compliance with Section 106 of the National Historic Preservation Act Figures are based on experience from 1987-1990

2/Surveys to complete the inventory of Forest cultural resources, and address management issues not related to specific undertakings Responds to Section 110 of the National Historic Preservation Act and 1989 amendments to the Archeological Resource Protection Act

3/ Reduction of the backlog of sites reported but not adequately recorded Responds to Section 110 of the National Historic Preservation Act and the 1989 amendments to the Archeological Resource Protection Act

4/ Evaluation of National Register of Historic Places eligibility to address management issues not related to NHPA compliance "Properties" may include sites portions thereof (buildings) or aggregations thereof (geographic and thematic groups) All evaluations will result in nomination of properties found eligible

5/For mitigation of adverse effects of development projects In response to NHPA and 36 CFR 800 Out-year needs vary in response to results of compliance inventories, and cannot be predicted in this context Figures used are based on experience from 1987-1990 and Facilities Master Plan

6/To identify changes in use patterns occurring since compilation of Inventory of Native American Religious Use, Practices, Localities and Resources

Cultural Resources Implementation Schedule (Cont.)
Capital Investment Program

The cultural resource capital investment program includes stabilization, rehabilitation and interpretation projects which maintain or create structures and facilities. All dollar amounts are in thousands.

Project Name	District	Planning Phase (Year and \$)				Design Phase (Year and \$)				Construction Phase (Year and \$)			
		FY	CR	FRP	Trail	FY	CR	FRP	Trail	FY	CR	FRP	Trail
Iron Goat Trail I	Skykomish	91	16	3	70	92	9	5	23	91	84	32	130
Iron Goat Trail II	Skykomish	92	14	3	10	93	60	6	28	94	161	132	80
Wayside Signs	Mt Baker & Skykomish	92	8	0	0	93	14	0	0	94	16	0	0
Suntop L.O	White River	92	2	0	0	93	6	0	34	94	6	0	104
Lookout Repairs	Mt Baker, Darrington, Skykomish	93	1	0	0	94	3	0	0	95	6	0	0
Barlow Pass Sign	Darrington	93	8	0	0	94	14	0	0	95	16	0	0
Nooksack Mining Interpretation	Mt Baker	93	10	0	0	94	15	0	0	95	20	0	0
Iron Goat III	Skykomish	94	1	1	7	95	2	5	29	96	39	20	47
Taylor River R S Interpretation	North Bend	94	5	0	5	95	8	0	8	96	10	0	10
Kennedy Guard Station Repairs	Darrington	94	10	0	0	95	15	0	0	96	20	0	0
Naches Trail In- terpretation	White River	95	10	0	0	96	25	0	0	97	20	0	0
Monte Cristo Historical Tour	Darrington	95	10	8	0	96	10	8	0	97	30	45	0
Silver Springs G S.	White River	95	5	0	0	96	10	0	0	97	30	0	0
Darrington Barn Repairs	Darrington	96	5	0	0	97	10	0	0	98	30	0	0
Koma Kulshan G.S Repairs/Inter- pretation	Mt Baker	96	5	0	0	97	10	0	0	98	20	0	0
Snoqualmie Wagon Road Interpre- tation	North Bend	96	5	0	0	97	8	0	0	98	20	0	0

Table D-3
Planned Schedule for Developed Recreation Construction/Reconstruction Projects
All Dollar Figures are Thousand Dollars

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Project Name	Funding District Program	Planning Phase (Year & \$)				Design Phase (Year & \$)				Construction Phase (Year & \$)			
		FY	Rec	FRP	Trail	FY	Rec	FRP	Trail	FY	Rec	FRP	Trail
SCHEDULED PROJECTS													
Gold Basin Mill Pond	Tr CCS Darrington	89				90				90			17 0
Silver/Twin Rehab	RecCIP Darrington	88				89				90	28 0		
Gold Cr. Pond 1	RW CCS North Bend	90	5 0			90				90	32.0	7	33 0
" " "	Partnership									90	115.0		
Shadow of Sentinels	FERC\1 Mt Baker					89				90	180.0		
Nighthawk Picnic	FERC\1 Skykomish					89				90	486 0		
S Fork Boat Launch	FERC\1 Skykomish					89				90	346 0		
Bear Cr Vpt	FERC\1 Skykomish					89				90	257 0		
Culmback Dam Vpt	FERC\1 Skykomish					89				90	42 0		
Deception Falls Picnic	RecCIP Skykomish	89	7 0			90	8 0		1 0	91	107.0	56.0	137 0
Heather Meadows 3	RecCIP Mt Baker	--				--				91	375.5		
Nooksack Falls Overlook	FERC\1 Mt Baker					92				93			
Barclay Lake TH/Cpg	FERC\1 Skykomish												
Evergreen Lookout	Vol Skykomish					90				90			
Lonesome Lake	KV/Vol White River									90	18 0		
Darrington NWS	RecCIP Darrington	91	12 0	1 0		92	33 5	15 0		93	290 6	99.0	33.5
--Restrooms/info display													
--RV Dump Station													
Mt. Baker Toilets	RecCIP Mt Baker	91	3 0			92	10.0			93	230.0		
--Douglas Fir Cpg 4											(80)		
--Silver Fir 3											(60)		
--Austin Pass											(40)		
--Twin Lakes TH											(25)		
--Hannegan Pass TH											(25)		
Big Four	RecCIP Darrington	91	2.2	1 1		92	6.7	8.0		93	53 0	16 4	
The Dalles Campground	RecCIP White River	91	30.1			92	44.8			93	536 7	190 5	
Shannon Creek	RecCIP Mt Baker	91	27 0			92	19 0			93	134 0	65 0	6.0
Denny C/Asahel H2O	RecCIP North Bend	91	8 3	5		92	30 0	6 0		93	275 0	19 0	
Darrington Toilets	RecCIP Darrington	92	15 1	1 0		93	53 5	3 7		94	498.0	18 1	
--Verlot PSC toilets/H2O													
--Verlot Cpg toilets/H2O													
--Turlo Cpg toilets/H2O													
--Verlot RV dump													
--trailhead toilets 2													

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1990 PROPOSALS

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MBS H2O & San	RecCIP	92	24 0		93	71 5		94	495 9
--North Bend Toilets	North Bend	92			93			94	
----Denny Cr Cpg 4 toilets									
----Asahel Curtis 1 toilet									
----trailhead toilets 2									
--Skykomish	Skykomish	92			93			94	
----Beckler Water System									
----Beckler 3 toilets									
----trailhead toilets 2									
--White River Sanitation	White River	92			93			94	
----Suntop picnic									
----Trailhead toilets 2									
Mather Parkway Info	RecCIP White River	91	24 8	4 2 3 3	92	34 4	25 7	4 4	93 291 0 90 5 45 6
--Silver Cr Restrooms/info									
--Ranger Creek TH									
--Misc Interp									
Baker Lake Basin	RecCIP Mt Baker	92	18 0	6 0 2 0	93	53 5	33 0	3 5	95 862 5 450 0 42 0
--Entrance Sta/kiosk									
--Horseshoe/Fan Pt Cpg									
Gold Creek Pond 2	CCS North Bend	91			92				93 88 0 18 0
"	Partnership								93 106 8
Heavy Maintenance	MBS								91 200 0
Heavy Maintenance	MBS								92 200 0
Forest Partnerships	MBS	91	25						91 75.0
Forest Partnerships	MBS	92	25						92 75 0

OUTYEAR PROPOSALS

Cascade Interp Center	RecCIP Skykomish	91	45 0		92	45 0		94	360 0
Mtn Loop Fed Hwy Comp	Darrington	92	15 0		93	15 0		94	120
Gold Creek Pond 3	RW CCS North Bend	92	31 0		93	62 5		94	250 0
"	Partnership							94	375 0
Road Paving	FRP Darrington	92		5 0	93		10 0	94	360 0
--Verlot, Turlo, Lake 22, Bedal, Boardman campgrounds									
Pilchuck Rec Area	RecCIP Darrington	92	30 0		93	30 0		94	200 2500 0 200
Companion	Rd CIP								
Mt Baker NRA Trailheads	RecCIP Mt Baker	92	5 0	10 0	93	10 0	14 0	94	100 0 218 0
MBS Water & Sanitation	RecCIP	93	85 5	7 5	94	85 5	7 5	96	700 60 0
--Tinkham Cpg 4 toilets	North Bend								(120)
--Misc Trailheads 10	MBS								(200)
--Gold Basin Showers	Darrington								(250) (35)
--Sky RV dump station	Skykomish								(15) (15)
Silver Spgs Cpg Reconst	RecCIP White River	93	75 0		94	75 0		96	600 0
Snoqualmie Pass VIC	RecCIP North Bend	93	21 0		94	45 0	61 0	96	550 0 49 0 8.0
Heavy Maintenance								93	200 0
Forest Partnerships	MBS	93	25 0					93	75.0

Darrington Info	Darrington	94	75 0		95	75 0		97	500	
--RS Reception									(200)	
--Verlot PSC Info/Remodel									(300)	
Corral Pass Campground	RecCIP White River	94			95			97	250 0	
Money Creek Cpg Reconst	RecCIP Skykomish	94			95			97		
Bayview Campground	RecCIP Mt Baker	94			95			97	999.0	
Heavy Maintenance								94	200 0	
Forest Partnerships	MBS	94	25 0					94	75 0	
Greenwater Rec Area	RecCIP White River	95			96			97		150 0
Hwy 2/North Fork Cpg	RecCIP Skykomish	95			96			98	500.0	200 0
--Troublesome Ck Campground										
--San Juan Campground										
Decline Campground	Darrington	95			96			98	500 0	300 0
Mountain View Cpg	North Bend	95	75 0	6 0	96	75 0	30 0	2.0	98	500 0 300 0 20 0
Heavy Maintenance	MBS	95						95	200 0	
Forest Partnerships	MBS	95	25 0					96	75 0	
Evans Creek Campground	White River	96			97			98	200 0	
Heather Meadows Phase IV	Mt Baker	96			97			98	300 0	
Miller River Campground	Skykomish	96			97			99		
Heavy Maintenance	MBS	96						96	200.0	
Forest Partnerships	MBS	96	25 0					96	75.0	
Twin Lakes Rehabilitation	Mt Baker	97	5 0	5 0	98			99	85 0	147 0
Clear Creek Conversion	Darrington	97			98			99		
Quartz Creek Horsecamp	Skykomish	97			98			99		
Heavy Maintenance	MBS	97						97	200 0	
Forest Partnerships	MBS	97	25 0					97	75 0	

MISCELLANEOUS PROJECTS

White Chuck Dispersed	KV	Darrington	92	93	95	
Monte Cristo Lake Picnic		Darrington	93	94	95	80 0
Sheep Mountain Picnic		Darrington	93	94	95	80 0
Coplay Lake	KV	White River				
Silver-Fir Cpg Reconst		Mt Baker				
Skagit R System Facil		Mt Baker				
Douglas Fir Cpg Reconst		Mt Baker				
Marble Creek Campground		Mt. Baker				
Suistie Park-n-launch		Darrington				
Buck Ck Camp		Darrington				
Mt Baker Scenic Byway		Mt Baker				
Bacon Cr. Picnic Area		Mt Baker				

Lake Elizabeth Rec. Site	Skykomish
Scenic Bicycle Camp	Skykomish
Stevens Pass Historic District	Skykomish
Park Creek Campground	Mt. Baker
Boulder Creek Campground	Mt. Baker
Mineral Park Campground	Mt. Baker
Excelsior Campground	Mt Baker
Nooksack Campground	Mt Baker
Canyon Cr Campground	Mt Baker
Perry Creek Campground	Darrington
Hemple Ck Picnic Area	Darrington
Dick Sperry Campground	Darrington
Coal Lake Campground	Darrington
French Ck Camp	Darrington
Glacier Peak Viewpoint	Darrington
Bedal Campground Expansion	Darrington
Sloan Creek Campground	Darrington
Twin Bridge Day Use	Darrington
Wiley Group	Darrington
Red Bridge Campground	Darrington

\1 FERC negotiated recreation mitigation projects
 RecCIP = recreation capital investment program
 Rd CIP = roads capital investment program
 FRP = forest roads program
 CCS = challenge cost share
 KV = Knudtson Vandenberg timber sale receipts
 Vol = Volunteer
 PC = purchaser credit
 RW = recreation/wildlife

Table D-4
Planned Schedule for Developed Trailhead Construction/Reconstruction Projects
All Dollar Figures are Thousand Dollars

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Project Name	District	Planning Phase (Year & \$)				Design Phase (Year & \$)				Construction Phase (Year & \$)			
		FY	Rec	FRP	Trail	FY	Rec	FRP	Trail	FY	Rec	FRP	Trail
CURRENT PROGRAM													
Gold Basin Mill Pond	TH CIP Darrington									90	8 0	32 0	
Sunrise Mine TH	KV/PC Darrington	89				90				91	35.0		
Companion	Rd CIP												
Schreibers TH	FRP Mt. Baker					89				90			
Loomis/Nooksack Snopark	FERC\1 Mt Baker					89		Koma Kulshan		90	20 0		
Sulphur Cr Snopark	FERC\1 Mt Baker					89		Koma Kulshan		90	20 0		
MARCH 1990 PROPOSALS FOR REGIONAL CIP													
Middle Fk Snoqualmie	TH CIP North Bend	91		2 0	2 0	92	1 5	20.0	25 9	93	29 0	69 0	129 8
Companion	Rd CIP												
Iron Goat Trailheads	TH CIP Skykomish	91	6.1	1 2		92	49 1	12.8		93	72 0	51 7	94 2
--Scenic Trailhead													
--Martin Creek Trailhead													
Schreibers Horse Facil	TH CIP Mt Baker	89				91	5 0			91	77 0		
Barlow Pass TH	TH CIP Darrington	92	6 0			93	8 0			94	77.0		
Pyramid Snowpark	TH CIP White River	91		3 3		91		6.7		92	76.0		
Loomis Snowpark	TH CIP Mt Baker	91		1.0		91	3 0	2.0		92	33.0	39.0	
OUTYEAR PROPOSALS FOR REGIONAL CIP													
Wellington Trailhead	TH CIP Skykomish	92				93				94			
Beaver Lake TH	CCS Darrington	92	3 0			93	4 0			94	25 0		
Green Mountain TH	Darrington	92	2 0			93	3 0			94	40 0		
Companion	Rd CIP												
Mc Clellan Butte T H	TH CIP North Bend	92	1.0	2 0	.5	93	8.0	9 0	2	94	40.7	90 5	5 0
Companion	Rd CIP												
Lake Serene Trailhead	Skykomish	92				93				94			
Companion	Rd CIP												
Naches TH	TH CIP White River	93		2 0		94		6 0		95	2 0	50.0	
Hannegan Trailhead	TH CIP Mt Baker	93				94				95	50 0		
Perry Creek TH	TH CIP Darrington	93	3.0			94	4 0			95	45 0		
Tonga Ridge Trailhead	Skykomish					93				94			
Denny Cr T H	North Bend	94	1 0	2.0		95	2 0	5.0		96	10.0	25.0	
Dickerman TH	Darrington	94	3 0			95	4 0			96	30.0		
West Fork Snowpark	White River	94		2 0		95		4.0		96		70 0	
Mt. Pugh TH	Darrington	95	3 0			96	4 0			97	30 0		
Talapus T.H	North Bend	95	2 0	2.0		96	4 0	5.0		97	12 0	15 0	
Foss River Sno/Necklace TH	Skykomish	95				96				97			
Meadow Mtn/Circle Cr/Crystal													
Lk TH	Darrington	96	3 0			97	5 0			98	50 0		
West Fork Foss Trailhead	Skykomish	96				97				98			
Downey Creek TH	Darrington	97	2 0			98	3.0			99	30 0		
Lake Dorothy Trailhead	Skykomish	97				98				99			

Lost Creek Ridge TH	Darrington	98		99		00
Beckler River Snowpark	Skykomish	98		99		00
Ridge Trail TH	Darrington	99	4 0	00	5 0	01 60 0
Surprise Lake Trailhead	Skykomish	99		00		01

FOREST TRAILHEAD PROGRAM

Bald Eagle TH	FRP	Darrington	94	2 0	95	3 0	96	15 0
Segelson Snowmobile TH	FRP	Darrington	95	2 0	96	4 0	97	15 0
Mallardy TH	FRP	Darrington	96	2 0	97	3 0	98	20 0
Coal Lake TH	FRP	Darrington	96	2.0	97	3 0	98	20 0
Thorton Lake TH	FRP	Darrington	97	2.0	98	3 0	99	15 0
Sloan Peak Climber TH	FRP	Darrington	98	2 0	99	3 0	00	10 0
Marten Creek TH	FRP	Darrington	99	2 0	00	3 0	01	10.0
Summit Lake TH	FRP	White River	94	2 0	95	3.0	96	30.0
Skookum Flats TH	FRP	White River	95	2 0	96	3.0	97	20 0
Silver Creek Snowpark	FRP	White River	90	2 0	91	2.0	91	20 0

MISCELLANEOUS TRAILHEADS

Tinkham ORV Area	IAC	North Bend	88	IAC	89	IAC	91	IAC Funds
Cable Drop Staging Area	CCS	Skykomish						
Lake Isabel Trailhead		Skykomish						
White Chuck TH		Darrington						
Boulder River TH		Darrington						
Three Fingers TH		Darrington						
Mt. Higgins TH and ROW		Darrington						
White Chuck Bench TH		Darrington						
Halls Peak TH		Darrington						
Sunntie TH		Darrington						
8 Mile TH		Darrington						
Noble Knob		White River						
Goat Creek		White River						
Divide		White River						
Colquhoun		White River						